

the george brown college of applied arts and technology

GBC chef coaches apprentice team at culinary olympics

A team of apprentice chefs, coached by George Brown food technology co-ordinator and master chef Willy Brand, joined the 26-chef Canadian team at the World Culinary Olympics in Frankfurt, Germany, October 19-28.

The Canadian team led by Tony Roldan, executive chef of the Harbour Castle Hotel, placed second after Switzerland with a total of 30 gold and two silver medals.

Three of the four junior competitors are present or former apprenticeship students at George Brown College. Team members were:

John Cantin, St. Clair College, working at Harbour Castle Hotel, Toronto, sponsored by the Canadian Federation of Chefs de Cuisine.

Kathleen Dingwall, George Brown College, working at the Granite Club, Toronto, sponsored by the Escoffier Club, Toronto.

Fred Kolar, George Brown College, working at the Prince Hotel, Toronto, sponsored by the Escoffier Club, Toronto.

Janet Leslie, George Brown

College, working at the Constellation Hotel, Toronto, sponsored by the Escoffier Club, Toronto.

The competitors were chosen during a cook-off at George Brown earlier this year.

Having two women among the competitors was a first for Canada, says Willy. But these women scored highest out of the 20 apprentices who participated in the cook-off.

Willy spent three months coaching the team before they went to Germany. At Frankfurt, they had to compete with other apprentice teams from Germany, Denmark and the United States.

For two hours they had to prepare 12 potato dishes and cold capon in front of the public. Work was judged on qualities such as quickness, appearance and cleanliness.

But this was the first year for the apprentice competition and there weren't any medals awarded for the category. The Canadian chefs decided to have silver trays made for the Canadian apprentices, with their names on them, in appreciation for their help



Team members left to right: Kathleen Dingwall, John Cantin, Willy Brand, Janet Leslie, Fred Kolar.

during the competition. "They worked day and night for the chefs," says Willy.

After days of cooking, the Canadian delegation wound up events by hosting a banquet. "We invited 650 delegates from

the other teams and a thousand showed up. Some of the tickets for the event were forged," says Willy.

Food was no problem, he says. We had prepared 600 pounds of lobster, 1,000

oysters, two hips of beefallow", 400 pounds of salmon . . . but seating and serving 350 extra guests was.

Just goes to show you, disasters can happen even at the best of parties.

GBC staff aids City Public Health Department



Dr. Anna MacDonald, Public Health Physician, and Dr. Isobel Bertram, Acting Director of Medical Services, with the City of Toronto Department of Public Health, visited Casa Loma Health Centre this fall to learn how to use our immunization "gun" for the City's swine flu immunization program now in progress. Above Left: Dr. J. Denne, medical



consultant for George Brown, shows Dr. MacDonald (left) and Dr. Bertram (right) how the "gun" works. Above right: Dr. MacDonald tries it out on a student. See, doesn't hurt a bit! For locations of community immunization centres, see Around George Brown on your campus bulletin board or contact your campus health centre.

Nursing graduates hold their own in the job market

The employment rate for nursing graduates at George Brown this year (in jobs related to the program studied) was 88 per cent, three per cent higher than the average for graduates of other college programs.

According to placement statistics published last month, 312 of the college's 356 nursing

graduates available for employment found jobs in their field as follows:

Ontario162
United States142
Quebec5
British Columbia1
North West Territories1
Africa1
More nursing graduates

sought employment in the United States this year because of widely publicized hospital cutbacks and diminishing job opportunities in Ontario.

Enrolment in post-secondary programs, other than nursing, is up seven per cent this fall. Total post-secondary enrolment now stands at 3,187.

George Brown offers 61 post-secondary programs; 61 Manpower-sponsored programs and 22 apprenticeship training programs, plus a variety of job-related and general interest night courses.

Approximately 50,000 students register with the college each year, giving George

Brown the largest total enrolment of the Toronto area colleges, and top enrolment in the province along with Algonquin College in Ottawa.

Copies of this year's placement report are available from Wayne Gartley ext. 204.



Plant & Planning: a 'growing' concern



Every three weeks Mike Rant holds a campus meeting. At Kensington meeting above are, clockwise around the table starting left: Al Skobie, Bill Frye, David Cospey, Herb Kuhn, Herb Eddington, Mike Rant.



Kensington boilerroom left to right: Lloyd Hope, Herb Kuhn, Mike Rant, David Cospey, Herb Eddington. Rant holds filter which is important component of air distribution system.

George Brown College has grown from six buildings and 280,000 sq. ft. in 1968 to 12 buildings and more than a million-and-a-quarter sq. ft. in 1976.

Plant operations in the new Kendal Avenue and King Street buildings are much more complex than the systems in the original buildings at Nassau Street and Dartnell. And all the college buildings have gone from being 25 per cent air conditioned to 80 per cent air conditioned.

The man who's had the job of planning and managing all this physical growth is Michael Rant, co-ordinator of plant and planning for George Brown College.

It hasn't always been easy.

Walls have gone up and come down and gone up again to accommodate new people and programs or changes in existing ones. Bugs have had to be ironed out of new buildings and systems. Staff has had to be expanded, not only in size, but also in range of skills. Deadlines have had to be met. And capital funding available from the ministry keeps getting smaller.

Through it all, Mike Rant says he has kept sight of one main objective: "To provide the best possible learning environment for George Brown College students".

To ensure that the department is flexible and responsive to the needs of students and staff, it has been organized in a decentralized fashion under group leaders: Vic Brown at St. James; Herb Kuhn at Kensington

and College Campuses; and Bill Watson at Casa Loma Campus. They work closely with the bursars at their respective campuses: John Mitchell at St. James; Al Skobie at Kensington and College Street; and Dave Fraser at Casa Loma. Every third week the bursar, the principal and the group leader at each campus meet with Rant to discuss specific operating problems.

With the exception of the odd special project such as painting, plant maintenance at the hospital campuses is provided mainly by government services.

Mike Rant's office is at 146 Kendal Avenue where he works with James Graham, his project and planning manager for construction and building activities; and David Cospey, an engineer with H.H. Angus & Associates, who directs mechanical and electrical plant operations.

The work of the department falls into two categories: 1. preventive maintenance — keeping physical facilities running efficiently; and 2. alterations and renovations — changes in physical facilities to improve college functioning. This may include converting departmental space for new courses or installing new equipment.

The department uses a combination of its own tradesmen and outside contractors. An example of co-operative effort is the new cafeteria at St. James Campus. Outside contractors installed the kitchen equipment and floors, and

below-ground drainage; college tradesmen did carpentry work and plumbing; and bricklaying students worked on the decor as a class project.

The department's staff can be roughly divided into four groups: 1. building staff — carpenters and painters; 2. mechanical/electrical staff — electricians, plumbers and mechanics; 3. stationary engineers; and 4. handymen.

The handymen do a variety of tasks including helping the tradesmen. On each campus there is one man occupied full-time changing light bulbs — a more responsible job than you might think. This man is responsible for new orders, and reports on how many changes are made. Repeated changes in one area may indicate a serious maintenance problem. And, Rant points out, it's not necessarily an unpleasant job. "You're your own agent and there's a lot of contact with people".

No matter what the job, staff are encouraged to keep their eyes open for money-saving schemes. Recent suggestions — some practical, some not so practical — included methods of reducing water, fuel and electricity consumption. Rant estimates he can save 10 per cent on these costs through more efficient operation. Bill Watson even goes so far as to keep a scrapbook of newspaper and magazine articles on energy consumption.

Each of Rant's group leaders represents a different trade: Watson is an electrician, Brown's a carpenter and Kuhn's a stationary engineer.

Rant himself joined the college as a maths and science instructor in 1968. A professional engineer with mechanical and aeronautical background, he was appointed director of planning for the college in 1969. Together with the president, he wrote the first planning reports on the intended development of the college. In April 1974, he was appointed director of plant and planning.

When he first took on responsibility for plant operation, there was very little

written material on operating procedures. "The plant facilities were maintained on a proper but traditional basis," he says.

With the addition of modern sophisticated buildings, says Rant, good documentation and systematic maintenance procedures became essential. H.H. Angus & Associates, who designed the St. James Campus operating systems, were retained a little more than a year ago to provide this documentation for the new campus, and all other college buildings.

H.H. Angus was then also given the job of directing existing mechanical and electrical preventive maintenance programs. That's when David Cospey was assigned full-time to the college. Examples of how he has saved the college money include:

- setting timers to shut off major pieces of equipment at night and on weekends — fifty dollars is saved each weekend at St. James Campus by shutting off the big chiller;
- ensuring systematic attention to air system filters which allows the plant equipment to run more efficiently.

Instructors and students at College Campus recently complained that rooms were too hot and stuffy. It turned out that all that was needed to correct the problem was to change the filters in the heating system.

A similar situation existed at Casa Loma Campus in one of the drafting rooms which became so hot students had to leave. The Angus engineers, a college mechanic and group leader immediately checked out the problem. The group leader identified a faulty thermostat. It was fixed immediately. The engineers further identified improper air flow resulting from partition alterations. They arranged for restoration of the return air system.

This example demonstrates two things, says Rant: 1. immediate response to a complaint; and 2. solving the problem at two levels — at the

routine maintenance level and at the engineering level.

Not all the problems are easily solved, however. "There are certain intractable problems in some teaching areas," says Rant.

For example, there's a problem with the water supply in the barber shop at Kensington, caused by fluctuations of city water pressure in that area. Another problem is the ventilation system in the welding shops at Casa Loma. The system, recommended by the Ministry of Health and Ministry of the Environment, would have worked well in a factory situation, says Rant, but hasn't proved practical in a classroom set-up. \$400,000 worth of massive additional plant would completely solve the problem, he says. So far, the college has only been able to install a fan system in the welding training booths, which has greatly improved conditions.

"But," says Rant, "I think I've got a technique to get it licked."

"Satisfaction," he says, "is when you can make some progress in these intractable problems."



Carpenter, St. James Campus



Painter, Tommy Crean, St. James



Herb Kuhn and Albert Zirins, Kensington Campus.

Students will build solar heating unit for portable classroom at Polson Pier

Students in welding, carpentry, electrical, sheet-metal, and refrigeration and air conditioning will build an experimental solar heating system this year for a portable classroom at George Brown's Polson Pier site.

The system, developed by H.H. Angus & Associates Limited, Toronto, was submitted to the Ontario Ministries of Energy and Housing last year for a 30-unit senior citizen home in Aylmer, Ontario. Although turned down, it was assessed by the judges as an interesting concept requiring further development.

Robert Shroder, refrigeration and air conditioning teaching master at George Brown, was special advisor to H.H. Angus on the refrigeration aspect of the project. He

also designed the controlling mechanical and electrical systems for it. Now he and the students will actually build the system to see how it works.

This solar heating system differs from most in that it uses a refrigeration cycle to extract heat from the sun, using collector plates on the roof as the evaporator, and a compressor and condenser to transform the refrigerant vapor into heat. It employs an 8' x 3' x 4' water tank with back-up electrical immersion heater.

The system will be built by students as far as possible in the college's refrigeration and air conditioning lab at Casa Loma Campus, under the direction of Shroder and in co-operation with Robert Nash, senior solar project engineer for H.H. Angus.

College improves heating system and saves money

The Plant and Planning Department, with the assistance of the Ontario Ministry of Energy and the Ministry of Colleges and Universities, has just completed an energy-saving project at Kensington Campus that should result in a better working environment for staff and students and at the same time save the college money.

The project entails taking waste heat from the power sewing workshops and food technology kitchens in the overheated south building and transferring it to the underheated north building which houses classrooms and offices. Previously, a cooling tower had to be kept running all winter to keep the south building comfortable.

Improved insulation and double-glazed windows were installed in the north building earlier this year to prepare for the new system.

The second step was to extend the heat pump system

in the south building. This was completed in November.

The new system now consists of a series of 90 small units that work like reversible air conditioners, transferring heat from the air into a loop of warm water pipes or transferring heat from the water back into the air. The units, called California heat pumps, are fairly easily moved from room to room, making the system flexible for renovations.

A similar system has been installed at St. James Campus. Once last winter when the gas furnaces had to be disconnected at the new campus, Plant and Planning Director Mike Rant says, the heat pump system transferred natural heat from the south side of the building to the colder north side so effectively that the furnace shut-down was not even detectable.

Engineering consultants for the College on the project are H.H. Angus & Associates.

It will then be transported to a portable classroom used by truck driving students at Polson Street Pier. Here it will be connected to solar collector plates on the roof of the portable, to a heat sink in an adjacent 15' x 10' x 6' shed and to a new duct system being installed in the classroom.

Female graduate is tops in construction and drafting



Julie Wood, student



Julie Wood, graduate

Julia Wood, 22, stole the show at fall convocation.

Not only was she the first person in the college's history to graduate simultaneously from two post-secondary programs, but she also passed both programs, Construction Technician and Drafting Technician, with honors.

Ms. Wood is now working for F.W. Woodcock & Associates in Toronto as a building technician. Her job for the project management company includes architectural drafting, construction quantity surveying, cost control and contracts administration. She is formerly a Holt Renfrew employee and graduate of Branksome Hall.

Another graduate, George Peets, travelled all the way from Bermuda to receive his Toolmaking Technician diploma. Mr. Peets is working for the Bermuda Government as an apprentice diesel mechanic on ferry boats. He spends part of his time on the boats and part in the naval dockyards working on maintenance. He received his high school graduation diploma from Pickering College in Newmarket.

The Addition Counsellor Program at George Brown had a father-and-son team graduate. John Rutledge is supervisor of the St. Michael's Hospital Detoxification Centre in Toronto. Father William is director of the St. Michael's Half-way House. Both received their diplomas by extension.

people

New staff in the maintenance department are: **Giuliano Pecchia**, **Francesco Apolloni**, **Silvio Savoia**, **Nazeer Bishay**, **Celirio Gomes** and **James McDonald**, Casa Loma Campus; **John Dunne** and **John Hughes**, St. James Campus; and **Stanley Boska**, Kensington Campus (Oct. 7 to Nov. 26).

Maureen Consolati and **Margaret Upcraft** have joined the school of dance at St. James Campus as teaching masters (Oct. 29).

New clerks in statistics and records at MacPherson are **Georgina Dobbs** (Oct. 7) and **Janice Patterson** (Oct. 29).

The Industrial Training Division has acquired two new staff members, **Marjorie Mitchell**, technician, and **Margaret Morsten**, typist-steno (Oct. 7).

Three teaching masters have joined the Nursing Division. They are **Yalede Murrell** and **Annette O'Connor**, Toronto General Hospital Campus (Oct. 7) and **Donna Segal**, Toronto Western Hospital Campus (Nov. 5). **Marianne Walker** is a new academic instructor at Toronto General Hospital Campus (Oct. 7) and **Darlene Marshall** is a new typist-steno at Toronto General (Nov. 19).

Peter Felder has joined the Fashion Technology Division at Kensington Campus as a teaching master (Nov. 5).

Corinne Muttuo is new clerk in the bursar's office, Casa Loma Campus (Nov. 5).

New teaching masters in the Architectural Technology Division, Casa Loma Campus, are **Michael O'Neill**, brick masonry (Nov. 5) and **Robert W. Cameron**, carpentry (Nov. 26).

William A. Falls is a new teaching master with the Community Services Division, Kensington Campus (Oct. 29).

Shanti Sharmo has joined the Language Training Division, College Campus, as a technician (Oct. 29).

Barbara Berridge has joined the Food Technology Division as a technician (Nov. 11).

Viola Gibson is new switchboard operator at Casa Loma Campus.

Fashion Technology has a new power sewing instructor at Kensington Campus, **Jacob Glowinski** (Nov. 11).

Karle Au is new clerk in the accounts department at MacPherson (Nov. 11).

Transfers in the maintenance department include: **Albert Resende** from Kensington to St. James; **Joseph Wheeler** from St. James to

Casa Loma; **Lloyd Hope** from St. James to Kensington (Oct. 29); **Rodney York** from Casa Loma to St. James; **James Gambrells** from St. James to MacPherson; and **Paul Dunston** from Casa Loma to Kensington (Nov. 5). **Aldo Matallo** has transferred from maintenance at Casa Loma Campus to Architectural Technology at the same campus.

Statistics and Records has lost two staff members through transfer. **Marg Hinchcliffe** is now at Admissions, Casa Loma (Oct. 7) and **Mary Colbacchini** is now with the Industrial Training Division, Bloor Street (Oct. 29).

Aldo Filice, Academic Upgrading, Kensington, has transferred to Casa Loma Campus (Nov. 19).

Angela Gullo, Nursing Division, Toronto General Hospital Campus, has transferred to Toronto Western Hospital Campus (Nov. 19).

Congratulations to two recent brides: **Diana Papaspyrou**, formerly **Diana Pritchard**, Food Technology, Kensington Campus, and **Suzanne Mongeon**, Admissions, Casa Loma Campus, now Mrs. **Suzanne Cousins** (Oct. 29).

Mary Bruno has transferred from Toronto Western Campus, where she was administrative assistant to Director **Phillips Morley**, to Student Services at MacPherson. As new secondary school liaison officer, she will have responsibility for college high school liaison working with **Wayne Gartley**, co-ordinator, placement and career counselling. Mrs. Bruno has been with the college since 1967. She was formerly a secretary in the academic department at College Campus, and switchboard operator and clerk in the main office at College Street.

Marjorie Jenkins and **Maria Parks** have been appointed placement officers for the new pilot placement project at Kensington Campus. Marjorie formerly handled placement for the Food Technology Division at Kensington, Maria, who will join her January 1, was formerly with **Fred Kirby** in Agency Services. They will now share responsibility for all Kensington Campus placement activity, reporting to **Wayne Gartley**, co-ordinator, placement and career counselling with Student Services.

The college was sorry to hear recently of the death of **Lloyd Bowen**, former counsellor at Casa Loma Campus.

Mosaic is published bi-monthly by Student Services

Television station gives us electronic equipment for labs

CFTO Television has donated several pieces of equipment to the Electro-Mechanical division. Included in the donation are transistor circuit boards and an oscilloscope.

An oscilloscope is a test instrument which will be used by students for testing in a lab situation. The circuit boards will be broken down into components.

Walter Zessner, an instructor in ETV and TV broadcast in the two-year Electronic Technician Program, said the equipment is obsolete as far as the television station is concerned but valuable for teaching purposes. In the past CFTO has donated camera equipment to the college, and the station awards bursaries yearly.

Plant And Planning Department

Casa Loma Campus

David Cosey, H.H. Angus & Associates
Margaret Damsion, secretary
James Graham, project & planning manager
Michael Rant, director plant & planning
Tiziana Romano, secretary

Building

Harry Mandros, painter
Gerardo Pecchia, maintenance handyman
Joe Sepe, maintenance handyman, painter
Andre Tretow, carpenter

Plant

Nazeer Bishay, electrician
Elio Galluzzo, stationary engineer
Fitzgerald Green, maintenance handyman, electrical
James McDonald, stationary engineer
Angelo Morietas, stationary engineer
G. Nameth, plumber
Bill Watson, electrician, group leader
Joe Wheeler, electrician

College Street Campus

Plant

Henry Aleixo, stationary engineer
Tom Fogarasi, stationary engineer

Kensington Campus

Building

Roy Agard, carpenter
Bill Brock, painter

Jim Heron, maintenance handyman

Vincent Martino, carpenter
Bill Service, maintenance handyman

Plant

Paul Bradjovic, stationary engineer
Jack Crook, maintenance handyman
Ron Dadouche, stationary engineer
Paul Dunston, maintenance handyman
Philip Giglio, stationary engineer
Herb Kuhn, stationary engineer, group leader
Albert Zimis, electrician

St. James Campus

Building

Vic Brown, carpenter, group leader
Tommy Crean, painter
John Durne, carpenter
Jack Earle, carpenter
John Egan, maintenance handyman
Mike Goldberg, carpenter
George McConnell, carpenter
Andy Rensotay, painter
Caroline Spadafora, maintenance handyman
Alex Wleczkowski, maintenance handyman

Plant

Doug Gallant, maintenance mechanic
Lloyd Hope, plumber
James Orr, maintenance handyman
Caroline Turner, electrician
Rodney York, electrician



ESL graduates, and families of new citizens, watch Citizenship Court proceedings in Canada Room at College Campus.



Judge Kapelus congratulates new Canadian family.

Citizenship Court comes to College Campus

English - As - A - Second - Language graduates at College Campus had an opportunity to observe first-hand the procedure for obtaining citizenship last month when Citizenship Court was convened on campus in the Canada Room.

Judge Georga Kapelus, a former teacher and counsellor at College Street when it was an adult education centre, presided.

More than 40 ESL students

graduated from their Manpower-sponsored English course at a morning ceremony on November 5. After lunch, they attended the Court proceedings along with the families of some 36 citizenship candidates.

More than 300 other ESL students watched on closed-circuit TV. Most of these students and graduates have only been in the country a short time and aren't eligible yet to



MP Peter Stollery wishes new citizens 'good luck'. Background left to right: court clerk, Ray Santin, Judge Kapelus, Nicholas Leluk and mounties.



Coffee afterwards — everyone relaxes.

apply for citizenship.

Peter Stollery, MP for Spadina, and Nicholas Leluk, MPP for Toronto York West and parliamentary assistant to Culture and Recreation Minister Robert Welch, represented the federal and provincial governments at the ceremony.

"We wanted new Canadians to experience being in a Canadian court as a happy occasion," said Peter Goulding, co-ordinator in the language

division. "This gives the students a good idea of what the citizenship court is all about, and we hope it will encourage them to think seriously about becoming Canadian citizens."

George Brown has one of the largest language training facilities in Canada for teaching English to new Canadians.

Women sculptor studies welding

Sculptor Karena Messingill, 23, is taking the 10-month Manpower Welder Fitter course at George Brown to improve her skills as an artist, and get a well-paying job.

The only woman now in the course, she says she gets tired of reaction from her male counterparts, but, "I need these skills, this knowledge."

"I'm still very much a woman," she says.

Karena immigrated to Canada from the United States a year and a half ago. She subsequently worked as a resident sculptor and teacher at Harbourfront and as a teacher in Etobicoke and at Georges Vanier high school in North York.

She was commissioned this fall to execute an outdoor sculpture called "Thinking Faces", in cast bronze and steel, for Blacksmith Public School in North York.

While working to become a certified welder at George Brown, she still maintains a studio and executes private commissions.

Karena has shown her work in a wide variety of art exhibitions in the United States. There she also took her art training there at the Men-



Karena Messingill

docino Art Center; California College of Arts and Crafts; University of California at Santa Cruz (all in California); and Temple University — Tyler School of Fine Arts in Philadelphia.

She has just been offered a position with a welding equipment manufacturer and distributor and as a demonstrator.

GBC graphic design instructor designs logo for new Toronto cutlery business

Graphic Design instructor Peter Leyden has designed a logo for Thos. Aikenhead Enterprises Ltd. that attempts to evoke an aura of old-time craftsmanship.



The "Cutlery" logo describes the Thomas Aikenhead cutlery business located on the concourse level of the Hudson's Bay Centre at Yonge and Bloor. The company specializes in knives, leathers, weather instruments, optical goods and unusual gifts.

Tom Aikenhead, a fifth-generation hardware man of the well-known Aikenhead Hardware family, will speak to meet cutting students at George Brown this fall.

Mr. Leyden was approached by Mr. Aikenhead at a design show last spring. The Cutlery logo was completed this summer.

Leyden says he designs on a freelance basis because he doesn't want "to lose touch with reality", and believes this involvement enables him to be a better teacher.

Quality control specialist takes George Brown's Power Sewing course

For Aerna Langdon the George Brown Power Sewing Course was a means to perfection.

A quality control specialist with Marks & Spencer, she recently returned to school to learn the proper way of constructing garments. As a special student, her hours were flexible, allowing her to continue working. The course lasted 120 hours and was subsidized by the company.

Ms. Langdon said she took the George Brown program "to be more conversant with the wrongs" in imperfect garments. She inspects lingerie and children's garments and examines the merchandise both in production and on completion. Her job takes her to London, Barrie, Toronto and Montreal.



Instructor Stella Gilbreath helps Aerna Langdon at power sewing machine.

While at the College she learned how to operate the power sewing machines. She praises instructor Stella Gilbreath as "exceptionally helpful and managing to make everything seem simple."



Apparel Industry seeks recruits

Guidance counsellors and students from more than 25 Metro high schools (shown below) attended a seminar at Casa Loma Campus, sponsored by George Brown and the Education Committee of the American Apparel Manufacturers' Association which was meeting in Toronto for the first time, October 19-21. The seminar was organized to acquaint potential apparel management and fashion design students with career opportunities in apparel manufacturing.

Representing the Canadian apparel industry on the panel (shown above) were: Irvine Wismer, President, Cluett-Peabody Canada (Arrow Shirts), President, Apparel Manufacturers' Association of Ontario; Ron Jones, Manager, Anchor Textiles Division of Workwear Canada, President, Needle Trades Management Association; Chris Kuzik, then Vice-President Operations, Super Sportswear, Toronto. Representing the American apparel industry were Ray Stevens, Manager, Recruiting and Training, Kotacorp Industries Inc., San Francisco; Frank Shamroe, Manager, Human Resources, Planning and Development, Kellwood Company, St. Louis, Mo.; Ron Pee, apparel consultant and engineer with Kurt Salmon Associates, world-wide apparel management and engineering consultants, Atlanta, Georgia. Spokesman for the Ontario Government was Penman Smith, a consultant with the Technology Branch of the Ministry of Industry and Tourism. Former Vice-President Academic Gordon Armstrong (who chaired the seminar) and Dean Sidney Schlipper were also on the panel.

